

ABSTRACT

A liquid absorbent composite is disclosed. The composite comprising a first substrate and a laminate or bonded mixture, the laminate or bonded mixture comprising a mixture of binder particles and super-absorbent polymer particles, wherein the binder particles are on average smaller than the super-absorbent polymer particles, wherein at least some of the binder particles coalesce at least some of the bonded mixture to the substrate, wherein at least some of the bonded mixture forms a three-dimensional array of elongated channels upon contact with a liquid.